***Vocabulary:***

Atmosphere –

Air pressure –

Altitude –

Troposphere –

Stratosphere –

Ozone –

Mesosphere -

Thermoshere -

***Questions / Tasks:***

1. What are the main gases and their percentages in our atmosphere?
2. Other than gases, what else is in our atmosphere?
3. Why do pressures decrease with height BUT temperatures vary with height in the atmosphere?
4. What causes air pressure?
5. Why is the atmosphere divided into layers?

Fill out the chart.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Layer* | *Where does the layer end?* | *Does temperature increase or decrease with altitude in this layer?* | *What causes temperatures to increase/decrease in this layer?* | *What is one special characteristic of this layer?* | *How does the special characteristic affect life on Earth?* |
| Troposphere |  |  |  |  | Weather occurs which gives us water. |
| Stratosphere | Stratopause |  |  | Contains the ozone layer. |  |
| Mesosphere |  |  | Most harmful radiation is absorbed in the thermosphere and the stratosphere. Most radiation passes through this layer. |  |  |
| Thermosphere |  | Increase |  |  |  |